

MEQRASLDSEESPPQENSCLDPPDRDPNCKPPPVKPHIFTTRSR 46
 TRLFCKGDSEEA SPLDCPYEEGGLASCPIITVSSVLTIQRPDGPAS 93
 VRPSSQDSVSAGEKPPRLYDRRSIFDAVAQSNQCQELSLPFLQRSK 140
 KRLTDSSEFKDPEITGKTCCLKAMNLHNGQNDTIALLLDVARKTDSLK 187
 QFVNASYTDSYY[KGQTALHIAIERRNMTLLVLLVENGADVQAAAN]GD 234
 FFKKTGRPGFY[FGELPLSLA ACTNQLAIVKFLQNSWQPADISAR]D 281
 SVGNTVLHALVEVADNTVDNTKFTVTSMYNEILILGAKLHPTLKLEEIT 329
 NRKGLTPLAALASSGKIGVLAYILQREIHEPECRHLSRKFTIEWAYGCP 376
 VHSSLYDLSCIDTCEKNSVLEVIAYSSSETPNRHDMLLVEPLNRL LQ 423
 DKWDRFVKR[IFYFNFFVYCLYMIIFTAAAYY]RPVEGLPPYKLNKNTVG 470
 DYFRVTGEI[LSVSGGVYFFFRGIIQY]FLQRRPSLSKSLFVD[SYSEILFFV] 518
 [QSLFMLVSVVLYF]SQRKEYVASMV[FSLAMGWNTNMLYYTRGFGQMG]I 564
 [YAVMI]EKMILRD[LCRFMFVYLVFLFGFSTAVV]TILEDGKNNSLPMEST 612
 PHKCRGSACKP[GN SYNSLYSTCLELFKFTIGMG]DLEFTENYD[FKAVF] 659
 [IILLAYVILTYIILLNMLIALMGE]TVNKIAQESKNIWKLQRAITILDTE 709
 KSFLKCMRKAFRSGKLLQVGFTPDGKDDYRWCFRVDEVNWTWNT 754
 NVGIINEDPGNCEGVKRTLSTSLRSGRVSGRNWKNFALVPLLRDAST 801
 RDRHATQQEEVQLKHYTGSLKPEDAEVFKDSMVPG EK SEQ ID NO: 2 838

FIG. 1A

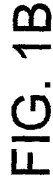


FIG. 1C

rot VR1

human T12251

Caliphora z80230

Drosophila TRP

Bovine x99792

C. Elegans 272508

rat VR1

human T12251

Caliphora 280230

Drosophila TRP

Bovine x99792

C. Elegans z72508

capsaicin 1 μ M

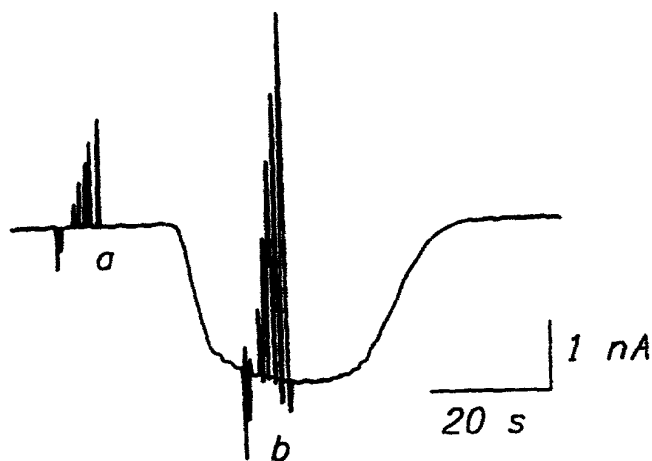


FIG. 2

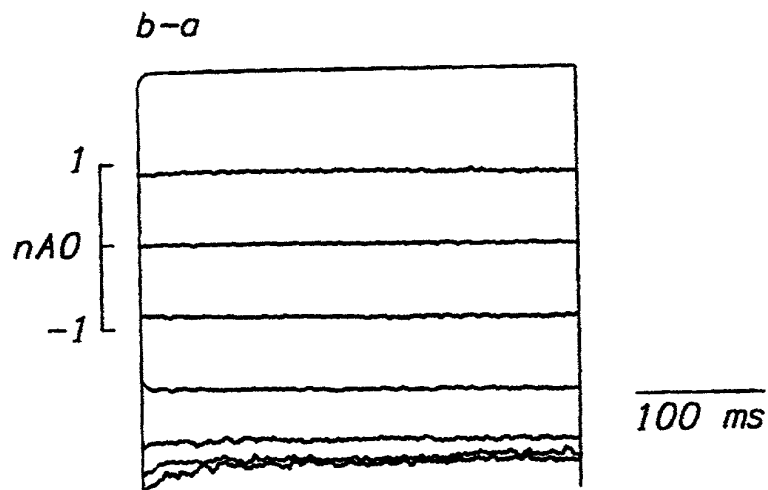


FIG. 3

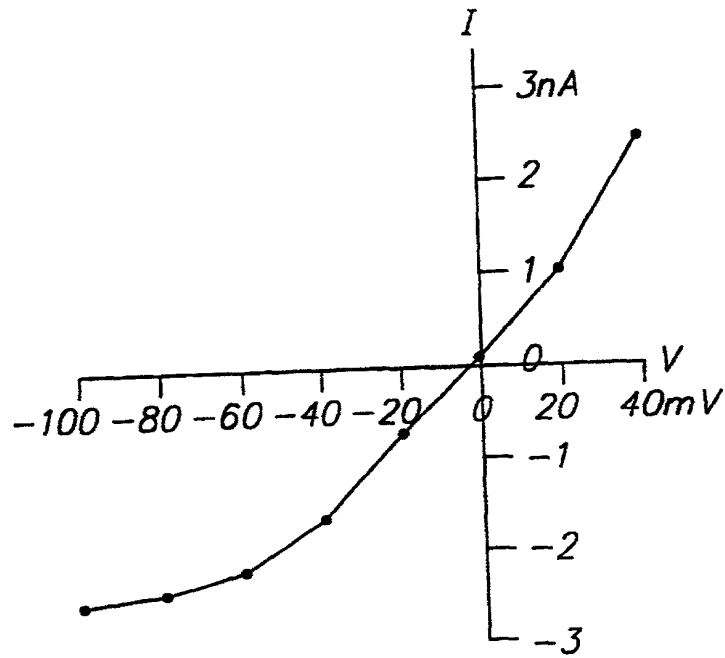


FIG. 4

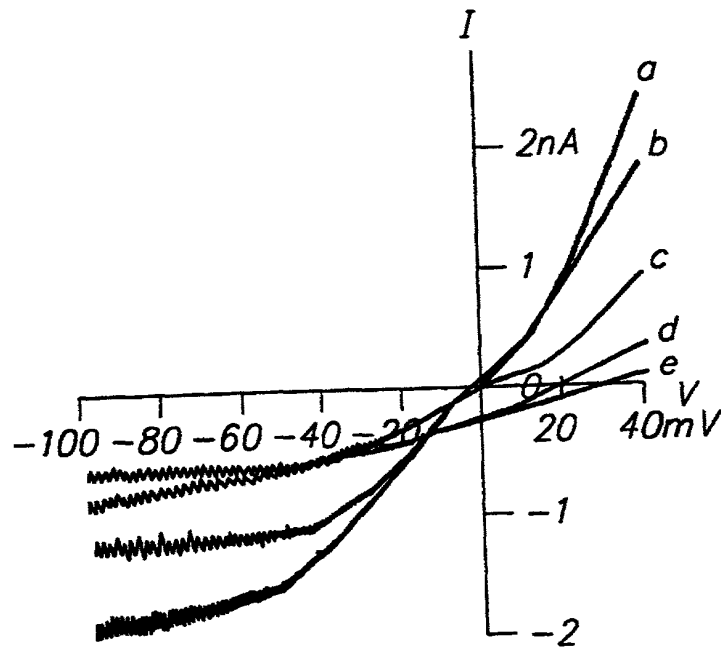


FIG. 5

09978303-101504

FIG. 6A

capsaicin 1 μ M

Ca(-)

FIG. 6A

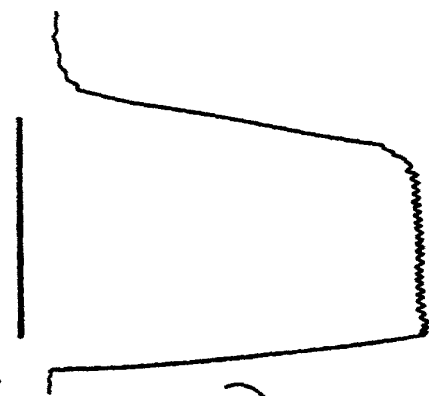


FIG. 6B

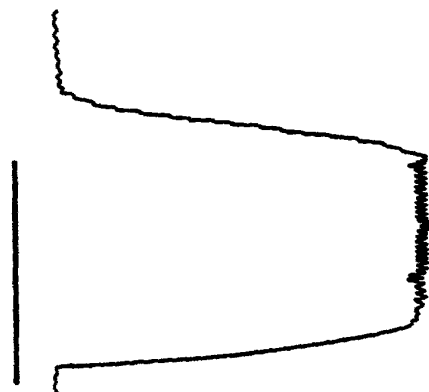


FIG. 6C

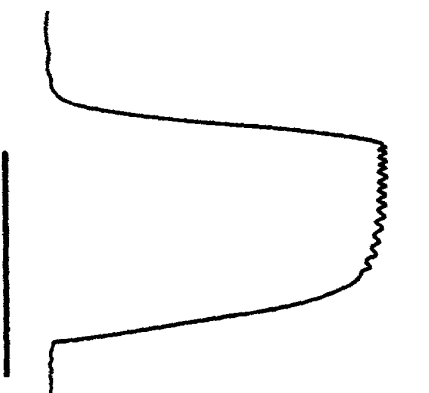


FIG. 6E

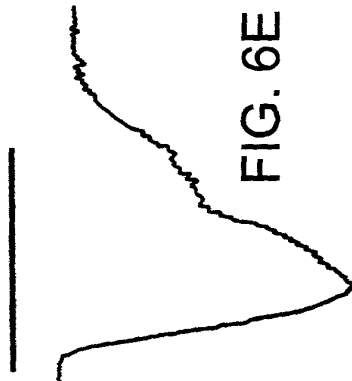
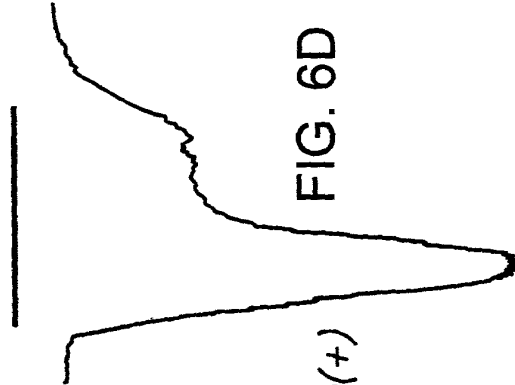


FIG. 6F



FIG. 6D



Ca(+)

1 nA
10 s

FOSTER E0582660

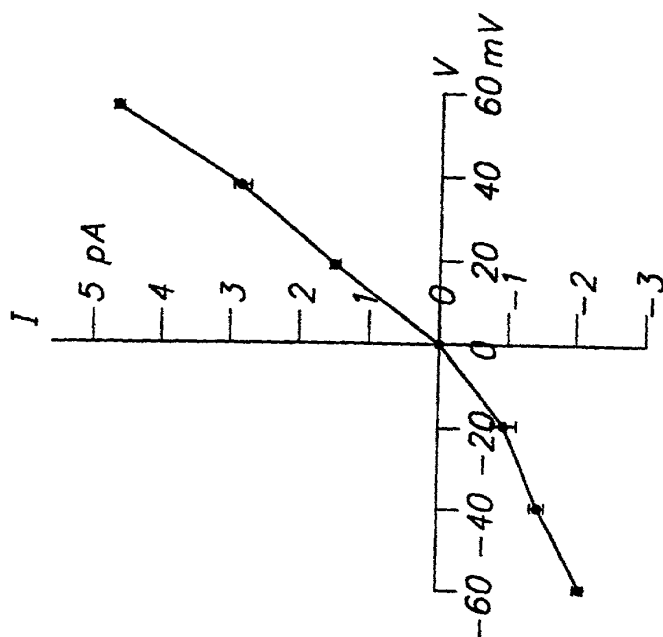


FIG. 8

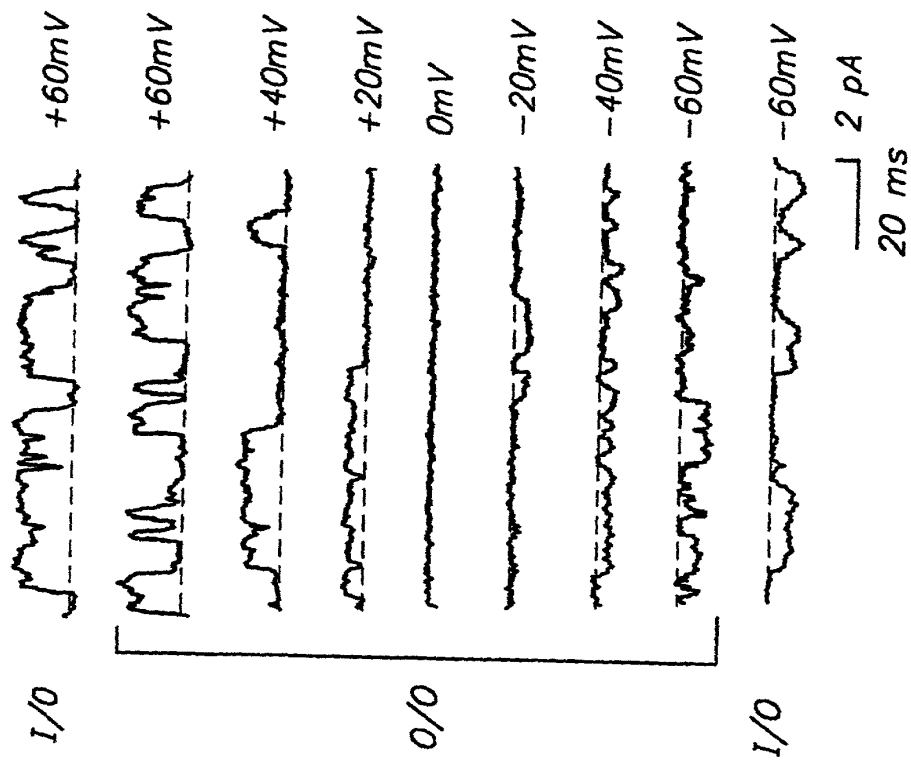


FIG. 7

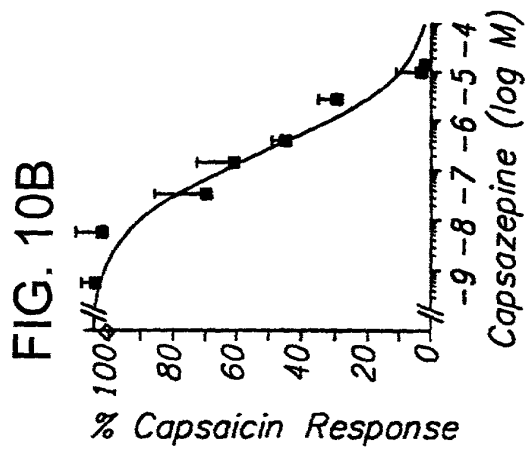
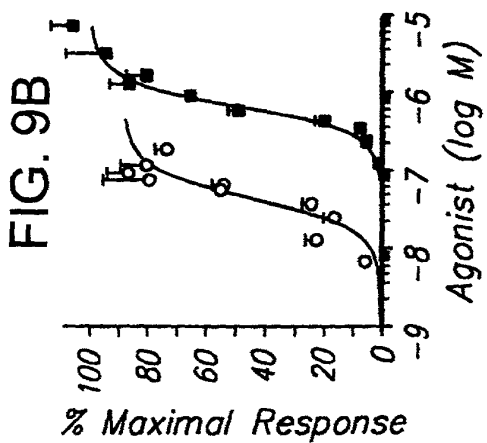
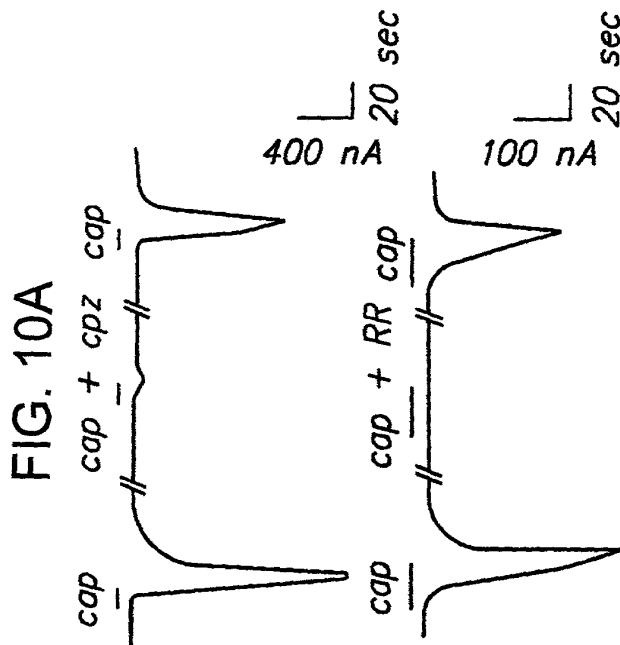
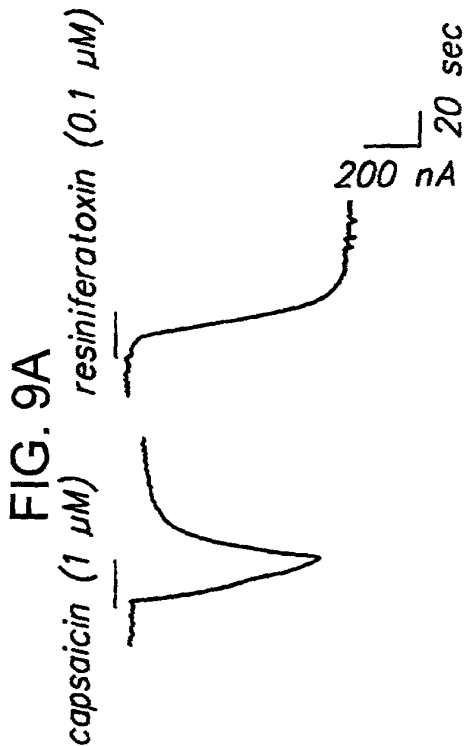
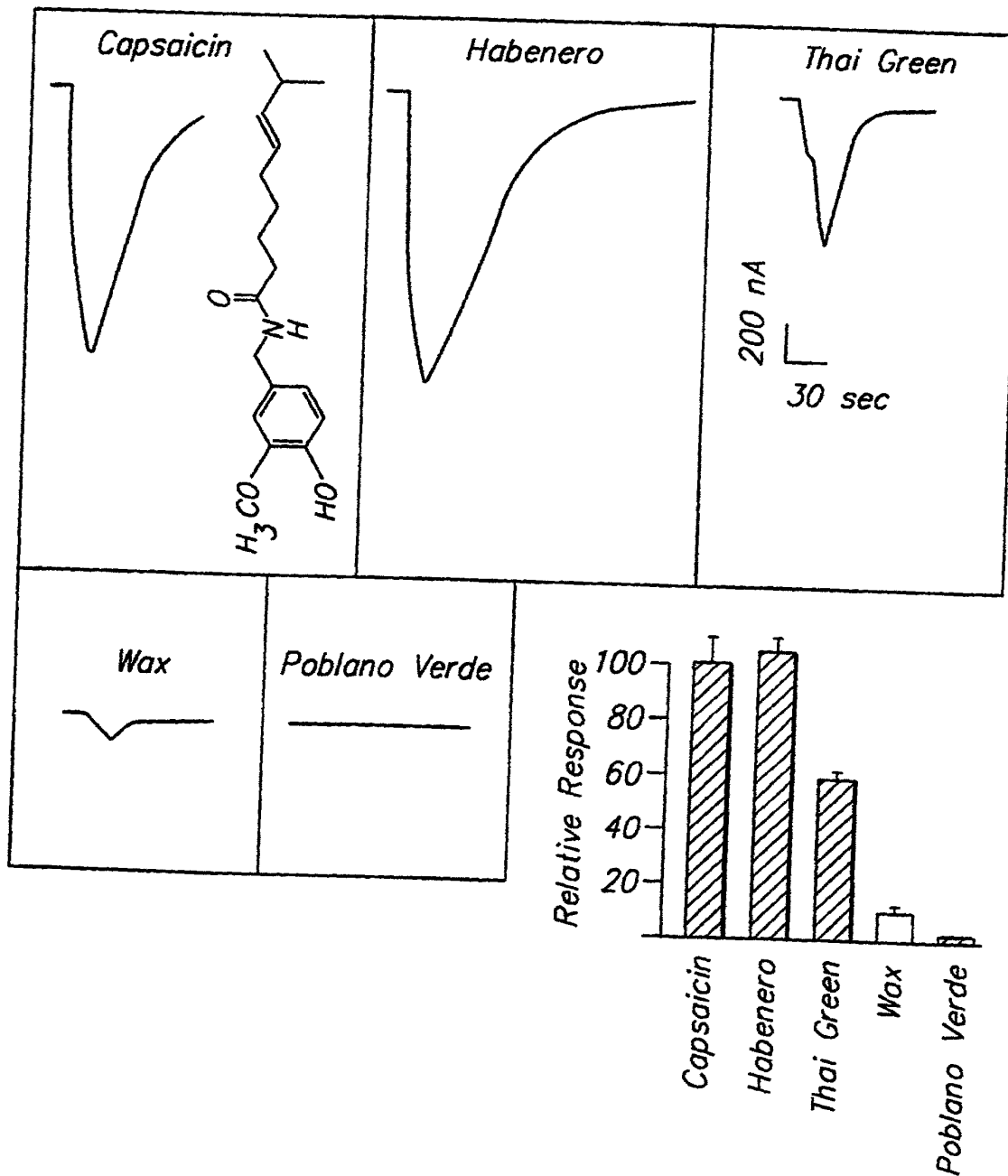


FIG. 11



105101" 00E8/660

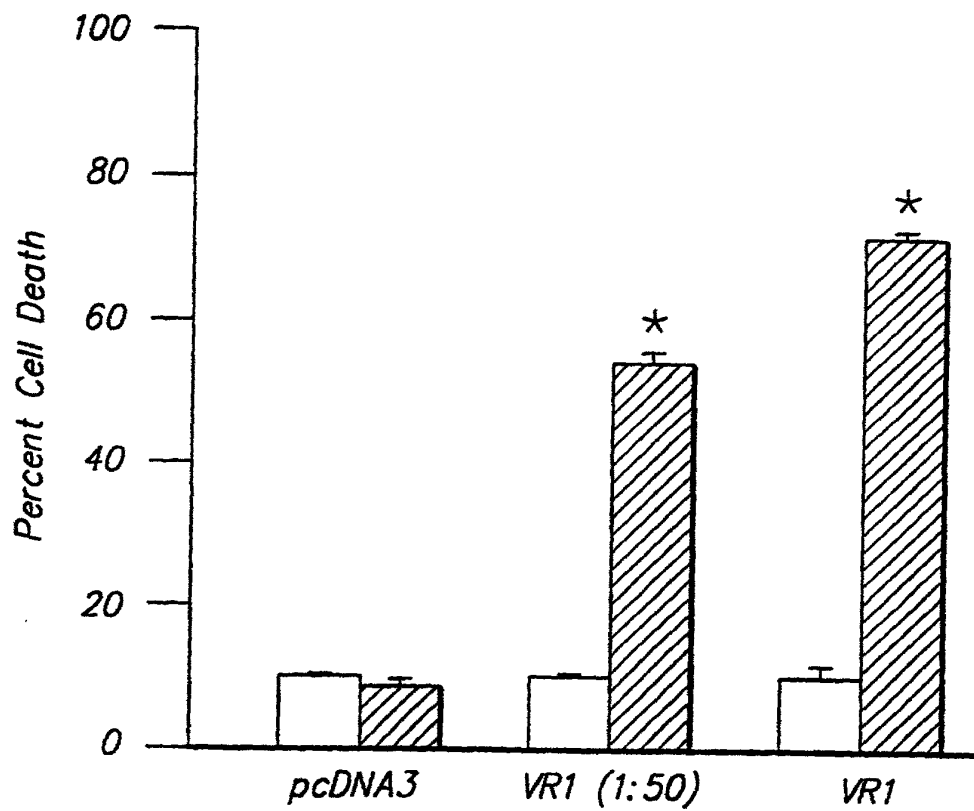


FIG. 12

FIG. 13

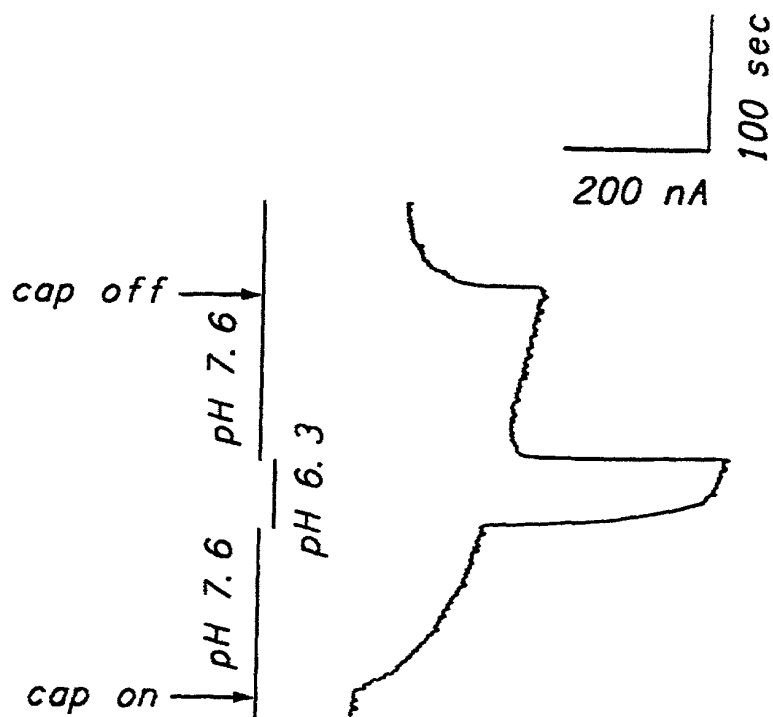


FIG. 14

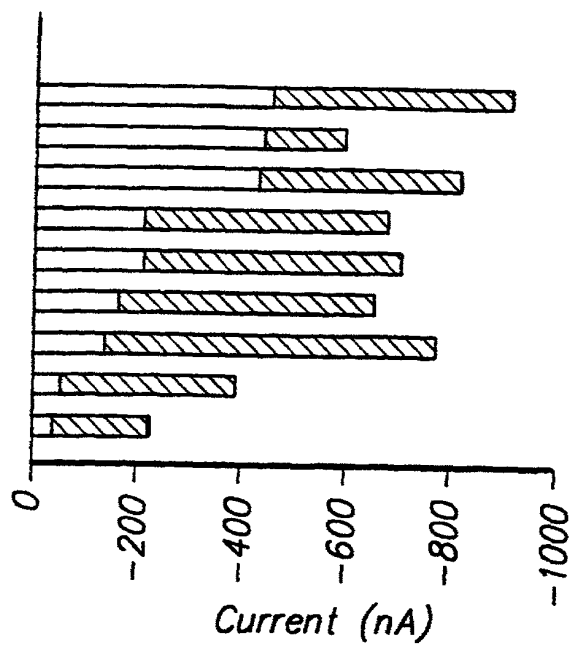


FIG. 15A

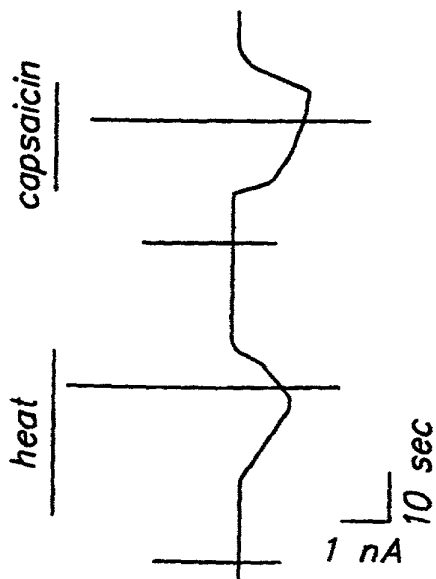


FIG. 15B

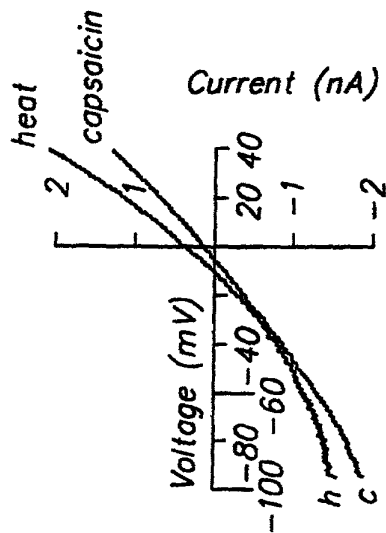


FIG. 16

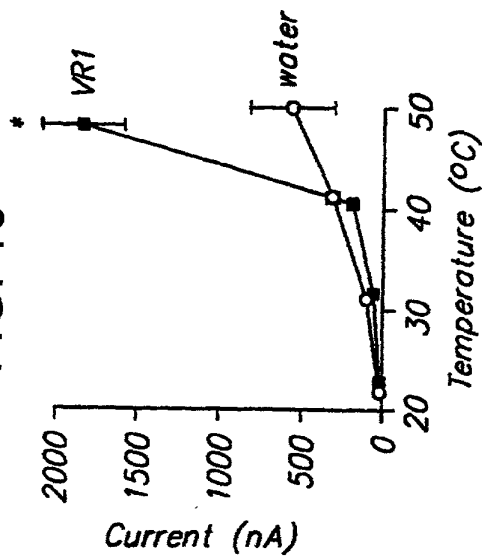


FIG. 17

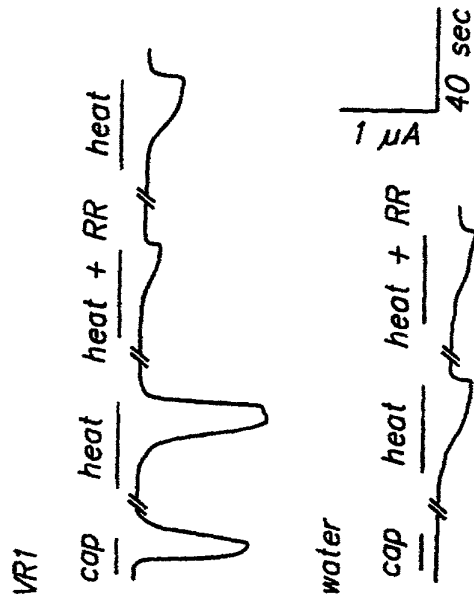


Diagram illustrating the schematic representation of the amino acid sequence of the COOH Human EST AA321554. The sequence is shown as a horizontal line, divided into two regions by a dashed line. The left region is labeled "Region 1" and the right region is labeled "Region 2". The sequence starts with an NH₂ group on the left and ends with a COOH group on the right. The sequence is labeled "COOH Human EST AA321554" and "Rat VR2".

COOH Rat VR1

COOH Human EST
AA321554

Rat VR2